

## **ABSTRACT OF THE DISCLOSURE**

An electrodeless fluorescent lamp according to the present invention includes: a luminous bulb in which mercury in a liquid state is enclosed as a light emitting substance and which includes a cavity portion; an induction coil which is inserted into the cavity portion and generates an electromagnetic field for generating electric discharge in the luminous bulb; a ballast circuit electrically connected to the induction coil; and a luminophor layer which is provided on the inner surface of the luminous bulb and converts light radiated from the mercury to visible light. In the electrodeless fluorescent lamp, a manganese-activated deep red luminescent substance ( $3.5\text{MgO}\cdot0.5\text{ MgF}_2\cdot\text{GeO}_2\cdot\text{Mn}^{4+}$ ) is contained only in part of the luminophor layer provided on a surface of the cavity portion facing the inner surface of the luminous bulb.